



1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/165,546C

DATE: 08/28/2003  
TIME: 09:59:47

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\08282003\I165546C.raw

## SEQUENCE LISTING

1 (1) GENERAL INFORMATION:  
C--> 2 (i) APPLICANT: Knuth, Alexader; Jager, Elke; Chen, Yao,  
3 Canlan, Matt; Gure, Ali, Old, Lloyd, Ritter, Gerd  
5 (ii) TITLE OF INVENTION: ISOLATED PEPTIDES CORRESPONDING TO  
6 AMINO ACID SEQUENCES OF NY-ESO-1, WHICH BIND TO  
7 MHC CLASS I AND MHC CLASS II MOLECULES, AND  
8 USES THEREOF  
10 (iii) NUMBER OF SEQUENCES: 15  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: FULBRIGHT & JAWORSKI LLP  
14 (B) STREET: 666 Fifth Avenue  
15 (C) CITY: New York City  
16 (D) STATE: New York  
17 (E) COUNTRY: USA  
18 (F) ZIP: 10158  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: Diskette, 3.5 inch, 144 kb storage  
22 (B) COMPUTER: IBM  
23 (C) OPERATING SYSTEM: PC-DOS  
24 (D) SOFTWARE: WordPerfect  
26 (vi) CURRENT APPLICATION DATA:  
C--> 27 (A) APPLICATION NUMBER: US/09/165,546C  
C--> 28 (B) FILING DATE: 10-Feb-1998  
29 (C) CLASSIFICATION: 530  
39 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 08/937,263  
33 (B) FILING DATE: April 17, 1998  
36 (A) APPLICATION NUMBER: 08/937,263  
37 (B) FILING DATE: September 15, 1997  
40 (A) APPLICATION NUMBER: US 08/752,182  
41 (B) FILING DATE: 03-October-1996  
43 (viii) ATTORNEY/AGENT INFORMATION:  
44 (A) NAME: Hanson, Norman D.  
45 (B) REGISTRATION NUMBER: 30,946  
46 (C) REFERENCE/DOCKET NUMBER: LUD 5466.3  
48 (ix) TELECOMMUNICATION INFORMATION:  
49 (A) TELEPHONE: (212) 688-9200  
50 (B) TELEFAX: (212) 838-3884

PP 1-3

Does Not Comply  
Corrected: [unclear] Header

delete - shown below  
already  
with correct filing date

ERRORED SEQUENCES

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/165,546C

DATE: 08/28/2003

TIME: 09:59:47

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08282003\I165546C.faw

130 (2) INFORMATION FOR SEQ ID NO: 3:  
 131 (i) SEQUENCE CHARACTERISTICS:  
 132 (A) LENGTH: 32 base pairs  
 E--> 133 (B) TYPE: nuclear acid  
 134 (C) STRANDEDNESS: single  
 135 (D) TOPOLOGY: linear  
 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 138 CACACAAAGC TTGGCTTAGC GCCTCTGCCC TG 32

274 (2) INFORMATION FOR SEQ ID NO: 15:  
 275 (i) SEQUENCE CHARACTERISTICS:  
 276 (A) LENGTH: 180 amino acids  
 277 (B) TYPE: amino acid  
 278 (D) TOPOLOGY: linear  
 279 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15

281	Met	Gln	Ala	Glu	Gly	Arg	Gly	Thr	Gly	Gly	Ser	Thr	Gly	Asp	Ala	
E--> 282																
283	Asp	Gly	Pro	Gly	Gly	Pro	Gly	Ile	Pro	Asp	Gly	Pro	Gly	Gly	Asn	
284																
E--> 285	Ala	Gly	Gly	Pro	Gly	Glu	Ala	Gly	Ala	Thr	Gly	Gly	Arg	<u>Ala</u>	Pro	
286																
287	Arg	Gly	Ala	Gly	Ala	Ala	Arg	Ala	Ser	Gly	Pro	Gly	Gly	Gly	Ala	
288																
289	Pro	Arg	Gly	Pro	His	Gly	Gly	Ala	Ala	Ser	Gly	Leu	Asn	Gly	Cys	
290																
291	Cys	Arg	Cys	Gly	Ala	Arg	Gly	Pro	Glu	Ser	Arg	Leu	Leu	Glu	Phe	
292																
293	Tyr	Leu	Ala	Met	Pro	Phe	Ala	Thr	Pro	Met	Glu	Ala	Glu	Leu	Ala	
294																
295	Arg	Arg	Ser	Leu	Ala	Gln	Asp	Ala	Pro	Pro	Leu	Pro	Val	Pro	Gly	
296																
297	Val	Leu	Leu	Lys	Glu	Phe	Thr	Val	Ser	Gly	Asn	Ile	Leu	Thr	Ile	
298																
299	Arg	Leu	Thr	Ala	Ala	Asp	His	Arg	Gln	Leu	Gln	Leu	Ser	Ile	Ser	
300																
301	Ser	Cys	Leu	Gln	Gln	Leu	Ser	Leu	Leu	Met	Trp	Ile	Thr	Gln	Cys	
302																
303	Phe	Leu	Pro	Val	Phe	Leu	Ala	Gln	Pro	Pro	Ser	Gly	Gln	Arg	Arg	
304																
306	25303395_1.DOC -1-															

*nucleic acid This is a global error**misaligned nos.**do not use TAB**codes between  
number**Invalid*

## VERIFICATION SUMMARY

DATE: 08/28/2003

PATENT APPLICATION: US/09/165,546C TIME: 09:59:48

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08282003\I165546C.raw

L:2:M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]  
L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:66 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:73 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:82 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:86 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:98 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:132 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=3  
L:188 M:220 C: Keyword misspelled or invalid format, [(i) SEQUENCE CHARACTERISTICS:]  
L:282 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:15  
L:285 M:330 E: (2) Invalid Amino Acid Designator, 1